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NOTICE OF ALLOWANCE AND FEE(S) DUE

22852 7590 03/16/2009 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER EXAMINER KAO, JUTAI

ART UNIT PAPER NUMBER

2416 DATE MAILED: 03/16/2009

LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFIRMATION NO.

 106538,833
 06/13/2005
 Mariachiara Bossi
 09952/2028
 5179

TITLE OF INVENTION: METHOD AND DEVICE FOR DESIGNING A DATA NETWORK

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 06/16/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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| INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat | form should be used to correspondence including d below or directed off tions | for transmitting the IS ng the Patent, advance nerwise in Block 1, by | SUE FEE and PUBLICA' orders and notification of (a) specifying a new corr | ITON FEE (if requi maintenance fees w espondence address; | ired). I /ill be and/or | Blocks 1 through 5 sh mailed to the current (b) indicating a sepa | iould be completed where correspondence address as rate "FEE ADDRESS" for |
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| FINNEGAN, E LLP 901 NEW YORE | 7590 03/16 IENDERSON, FA K AVENUE, NW | | | _ | | | |
| WASHINGTON | , DC 20001-4413 | | | | | | (Depositor's name) |
| | | | | | | | (Signature) |
| | | | L | | | | (Date) |
| APPLICATION NO. | FILING DATE | 1 | FIRST NAMED INVENTO | R | ATTO | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/538,833 | 06/13/2005 | | Mariachiara Bossi | | 09952.0208 | | 5179 |
| TITLE OF INVENTION | : METHOD AND DEV. | ICE FOR DESIGNING | | _ | | | |
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| nonprovisional | NO | \$1510 | \$300 | \$0 | \$0 | | 06/16/2009 |
| EXAM | INER | ART UNIT | CLASS-SUBCLASS | 7 | | | |
| KAO, J | | 2416 | 370-255000 | _ | | | |
| "Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A | ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DAT. ess an assignce is ident h in 37 CFR 3.11. Comp | inge of Correspondence "Indication form and. Use of a Customer A TO BE PRINTED ON | (2) the name of a single registered attorney or 2 registered patent at listed, no name will be THE PATENT (print or to the content of the con | to 3 registered patentively, gle firm (having as a agent) and the nam corneys or agents. If e printed. ype) patent. If an assign assignment. | memb es of u no nam | er a 2 | ocument has been filed for |
| | are submitted: | | 4b. Payment of Fee(s): (Plo A check is enclosed. Payment by credit c | ease first reapply ar | ny prev | iously paid issue fee s | |
| Advance Order - # | of Copies | | The Director is herel overpayment, to Dep | by authorized to char sosit Account Number | ge the | equired fee(s), any def enclose ar | iciency, or credit any extra copy of this form). |
| | s SMALL ENTITY state | as. See 37 CFR 1.27. | b. Applicant is no lo | | | | |
| NOTE: The Issue Fee and interest as shown by the r | d Publication Fee (if req ecords of the United Sta | uired) will not be accep ites Patent and Tradema | ted from anyone other than rk Office. | the applicant; a regi | stered a | ttorney or agent; or th | e assignee or other party in |
| Authorized Signature | | | | Date | | | |
| Typed or printed name | | | Registration No. | | | | |
| This collection of informan application. Confident submitting the completed this form and/or suggestit Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this bu irginia 22313-1450. DC 13-1450. | CFR 1.311. The informa U.S.C. 122 and 37 CF USPTO. Time will varden, should be sent to O NOT SEND FEES OF | tion is required to obtain or R 1.14. This collection is e ry depending upon the ind the Chief Information Offi R COMPLETED FORMS | retain a benefit by t stimated to take 12 i ividual case. Any co cer, U.S. Patent and IO THIS ADDRESS | he publ minutes mment Traden i. SENI | ic which is to file (and to complete, including s on the amount of tin ark Office, U.S. Depa O TO: Commissioner f | by the USPTO to process) g gathering, preparing, and he you require to complete atment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| 10/538,833 | 06/13/2005 Mariachiara Bossi | | 09952.0208 | 5179 | | |
| 22852 75 | 90 63/16/2009 | EXAMINER | | | | |
| FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413 | | | KAO, JUTAI | | | |
| | | | ART UNIT | PAPER NUMBER | | |
| | | | 2416 DATE MAII ED: 03/16/200 | 0 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 551 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 551 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/538.833 BOSSI ET AL. Notice of Allowability Examiner Art Unit JUTALKAO 2416 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to amendments filed on 02/11/2009. The allowed claim(s) is/are 16,18-23,25 and 27-30. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other .

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DETAILED ACTION

Response to Amendment

The after-final amendments filed on 02/11/2009 adds claim elements that were previously objected to and identified as allowable if re-written in independent forms to all independent claims. The amendments therefore overcome all previously made claim rejections. An updated search of the amended claims is performed and no new references were found that can reasonably read on the amended claims.

Allowable Subject Matter

- 1. Claims 16, 18-23, 25 and 27-30 are allowed.
- The following is an examiner's statement of reasons for allowance: the after-final
 amendments filed on 02/11/2009 adds claim elements that were previously objected to
 and identified as allowable if re-written in independent forms to all independent claims.

Specifically, closest combination of prior arts found (Klincewicz, US 2004/0095887; Chaffee, US 2002/0186665; Kumaran, US 2002/0097716) does not teach the method of calculating a probability function for each of said first and any alternative network configuration such that the probability function is calculated as the ratio between the number of times that a maximum number of routable flows has been successfully routed by means of a test routine repeated a predetermined number of times, and the number of times said test routine has been repeated; and that said probability function is used in calculating a complexity function, which is used to determine which network configuration is to be used for routing the data flows.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JUTAI KAO whose telephone number is (571)272-9719. The examiner can normally be reached on Monday ~Friday 7:30 AM ~5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kwang Yao can be reached on (571)272-3182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Art Unit: 2416

Ju-Tai Kao

/Ju-Tai Kao/ Acting Examiner of Art Unit 2416

/Kwang B. Yao/ Supervisory Patent Examiner, Art Unit 2416